**UAV FORGE - RULES FOR UGV**

* Each team will have a UGV as a part of their air drop task
* The UGV must be under 64oz (4 pounds)
* It can drive up to 10 mph.
* The UGV must have a way to stop driving if there is communication loss, or if it drives out of bounds. The kill switch should also be activatable by the ground station.
* Batteries must be standard and brightly colored.
* Must drive autonomously… duh.
* Must notify safety judge before the UAV drop the UGV.
* The UGV will carry a 8oz water bottle
* Land within 5 ft, 15ft, or 40ft, each giving an amount of points, with being within 5 ft, getting full points, and beyond 40 ft getting 0 points.
* The UGV will be given GPS coordinates that it has to drive to, and should stop with 10 ft of destination without going out of bounds.
* The air drop portion of the report should include a description of the payload a drop mechanism that was used. And what was done to determine optimal drop time.
* A report that describes the testing and provide statistics of home many time the drop was tested, how many time the UGV survived, and the average distance from the target the payload has survived.
* The air drop boundary is within
  + N38-08-46.20 W076-25-36.00
  + N38-08-46.90 W076-25-34.20
  + N38-08-44.10 W076-25-33.90
  + N38-08-43.50 W076-25-35.80
* The air drop position and the drive location will be with this area, and should remain in it at all times, otherwise it should terminate driving.